

IgE Fc C ϵ 3-C ϵ 4
Closed form

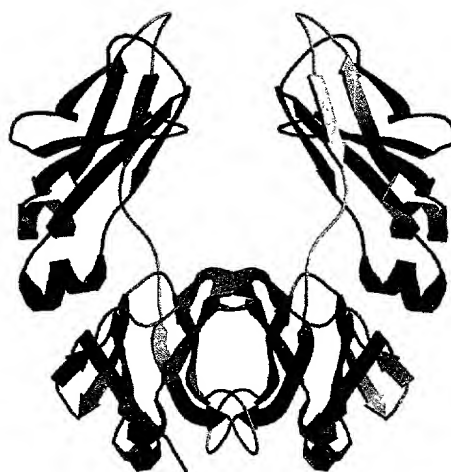


Fig. 1a

IgE Fc C ϵ 3-C ϵ 4
Open form

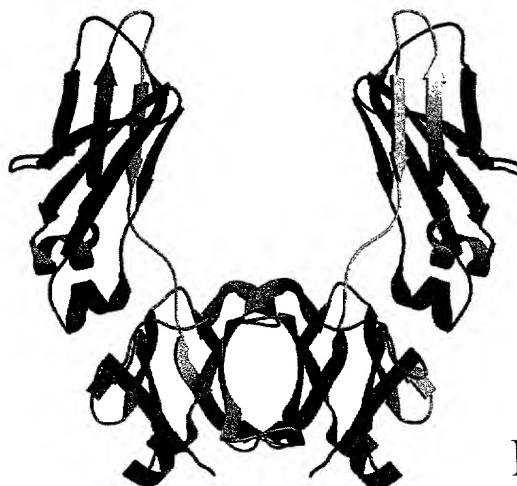


Fig. 1b

IgG Fc

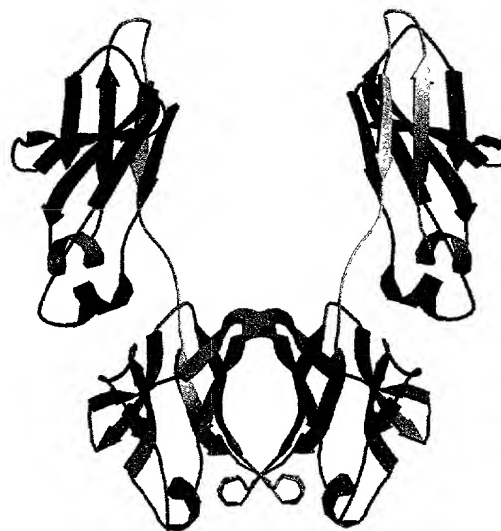


Fig. 1c

Closed
IgE-Fc

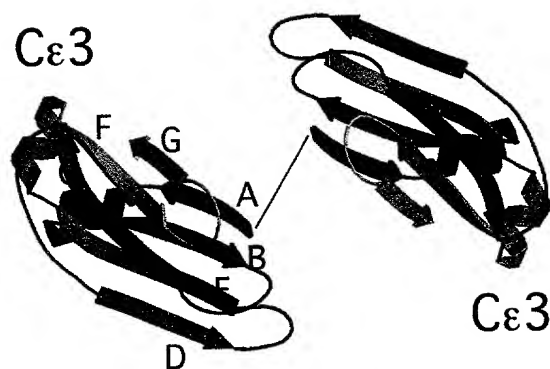


Fig. 2a

Open
IgE-Fc

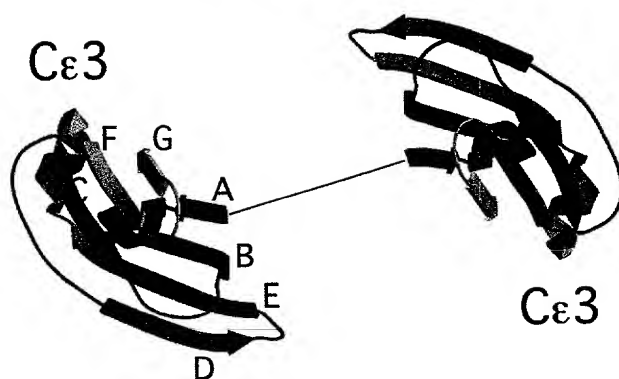


Fig. 2b

IgG-Fc

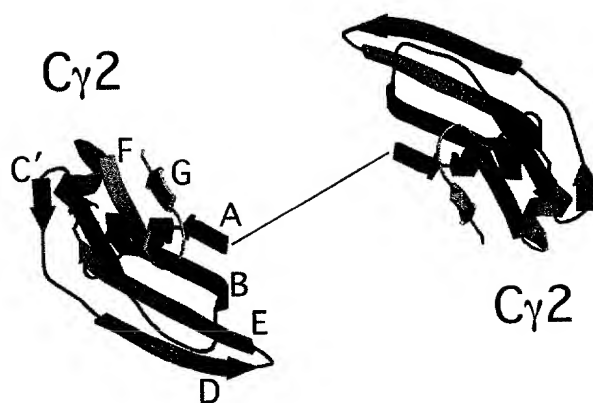


Fig. 2c

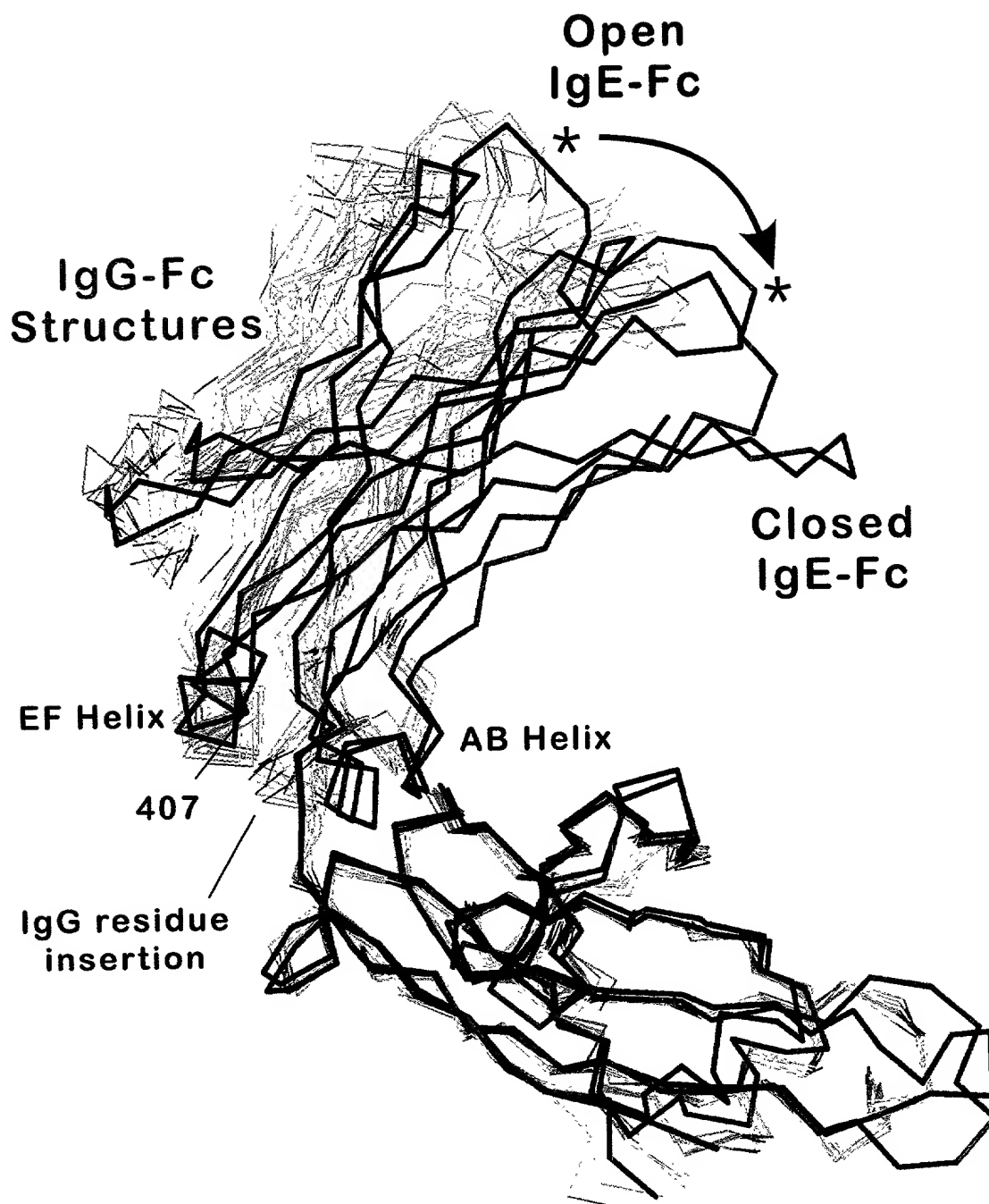


Fig. 3

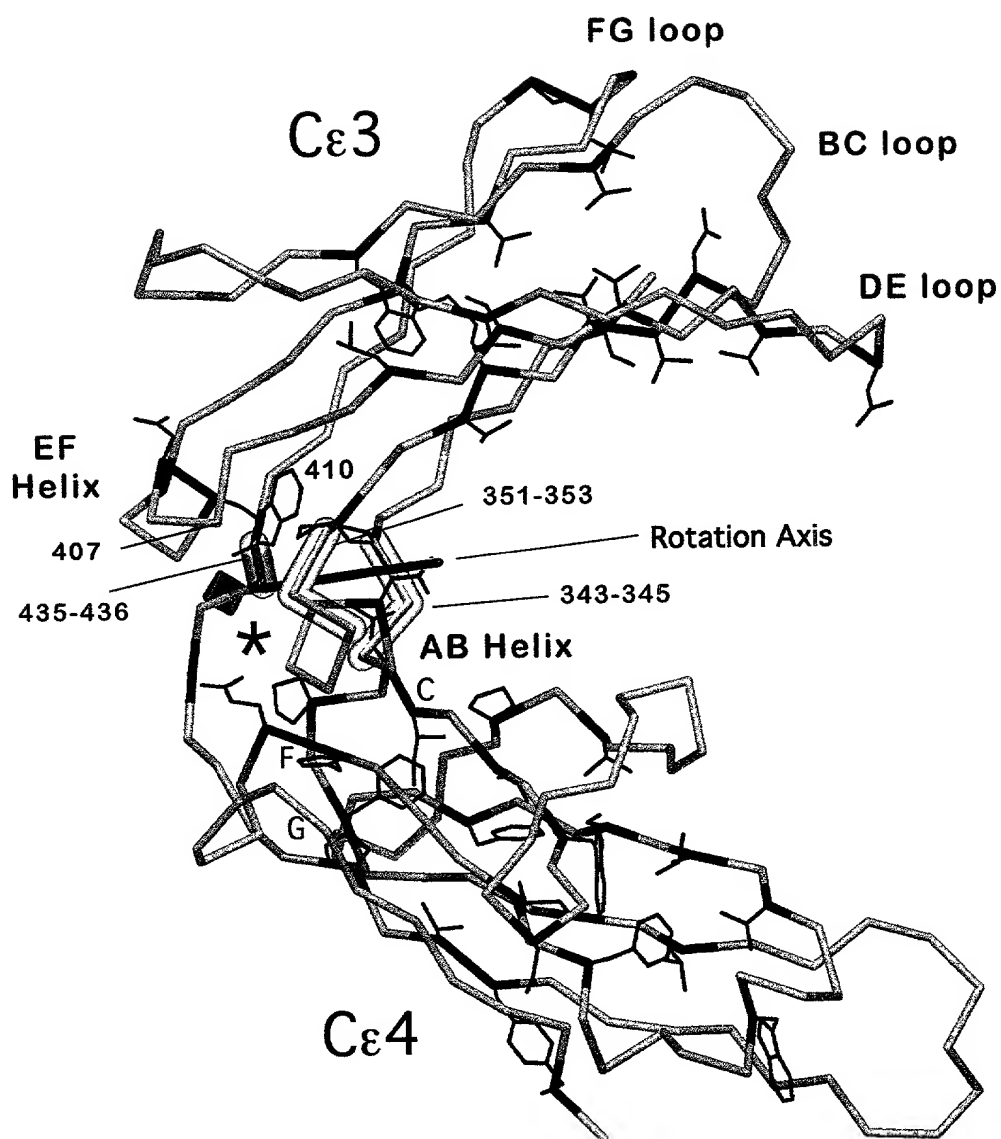


Fig. 4a



Fig. 4b

IgE-Fc $C\alpha$ - $C\alpha$ Distances (open-closed)

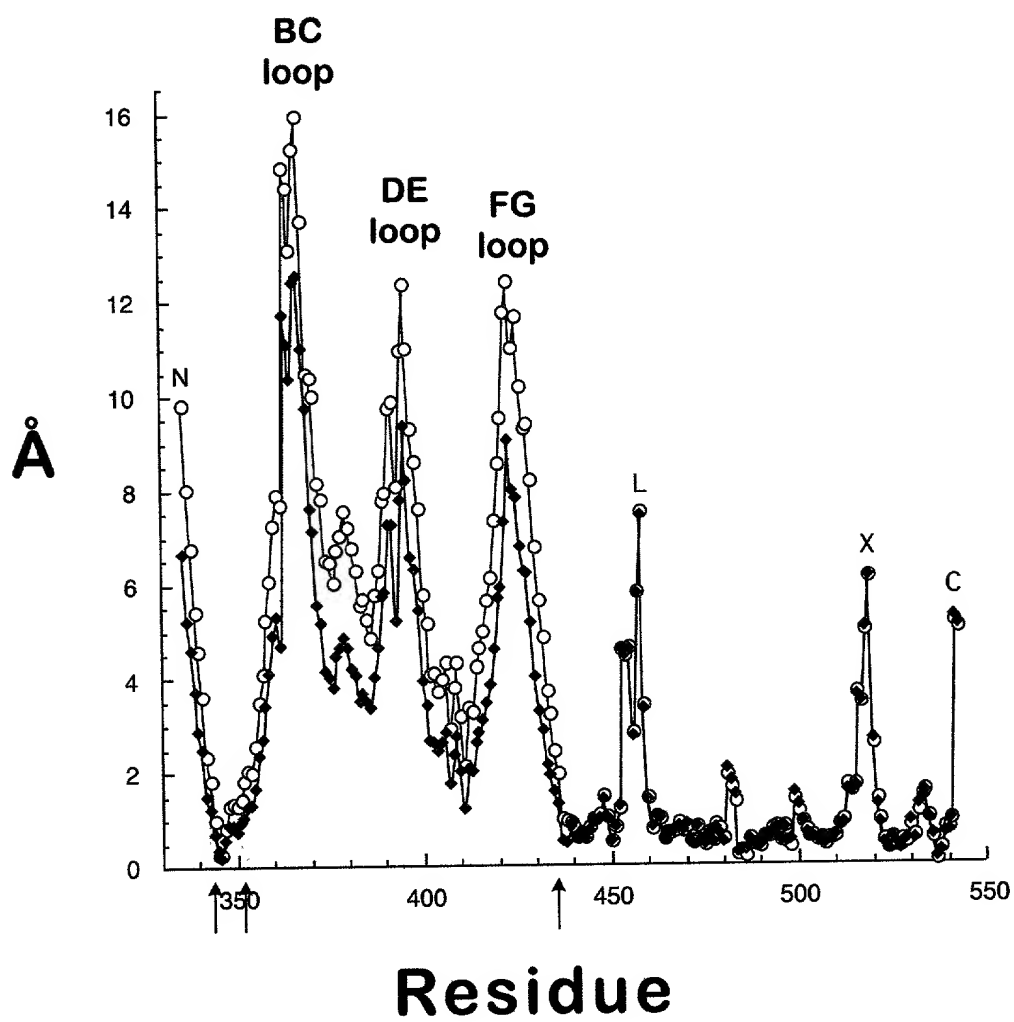


Fig. 4c

Top View

C ϵ 3 C ϵ 4

C ϵ 3 C ϵ 4

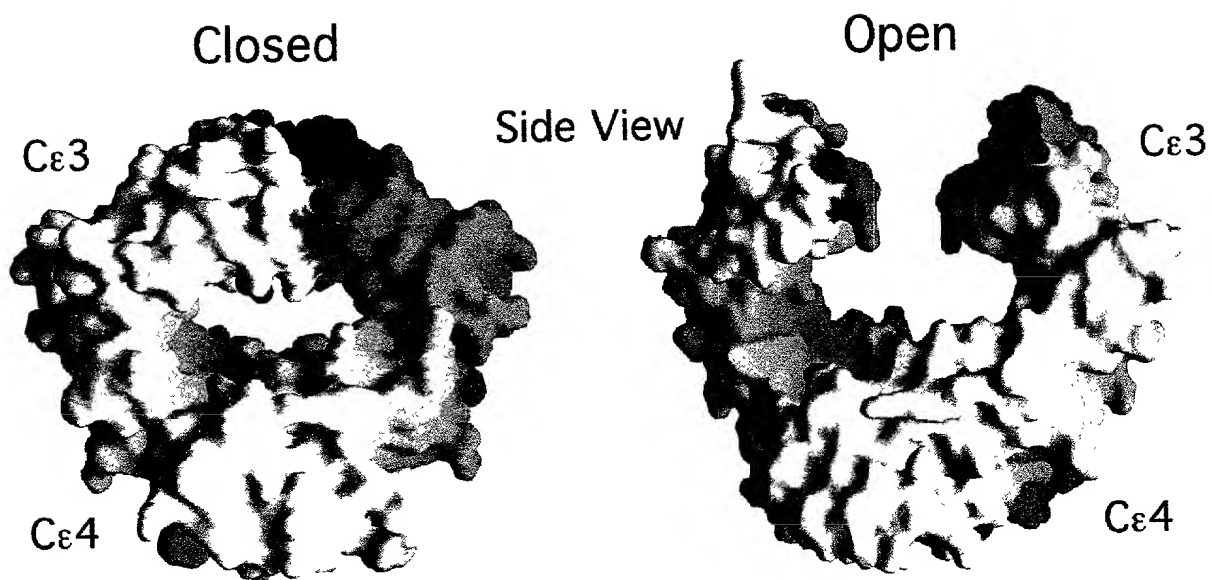


Fig. 5b

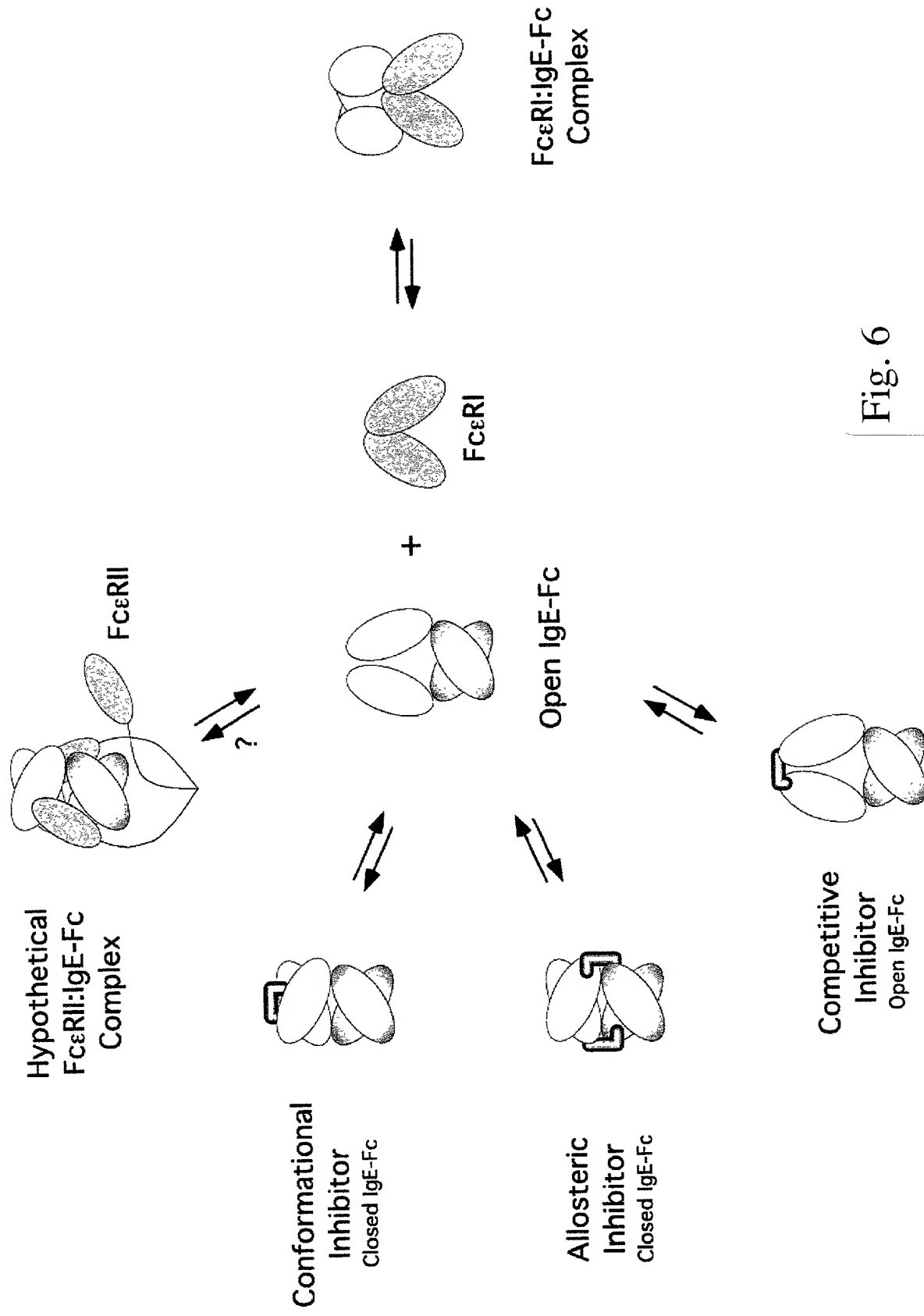
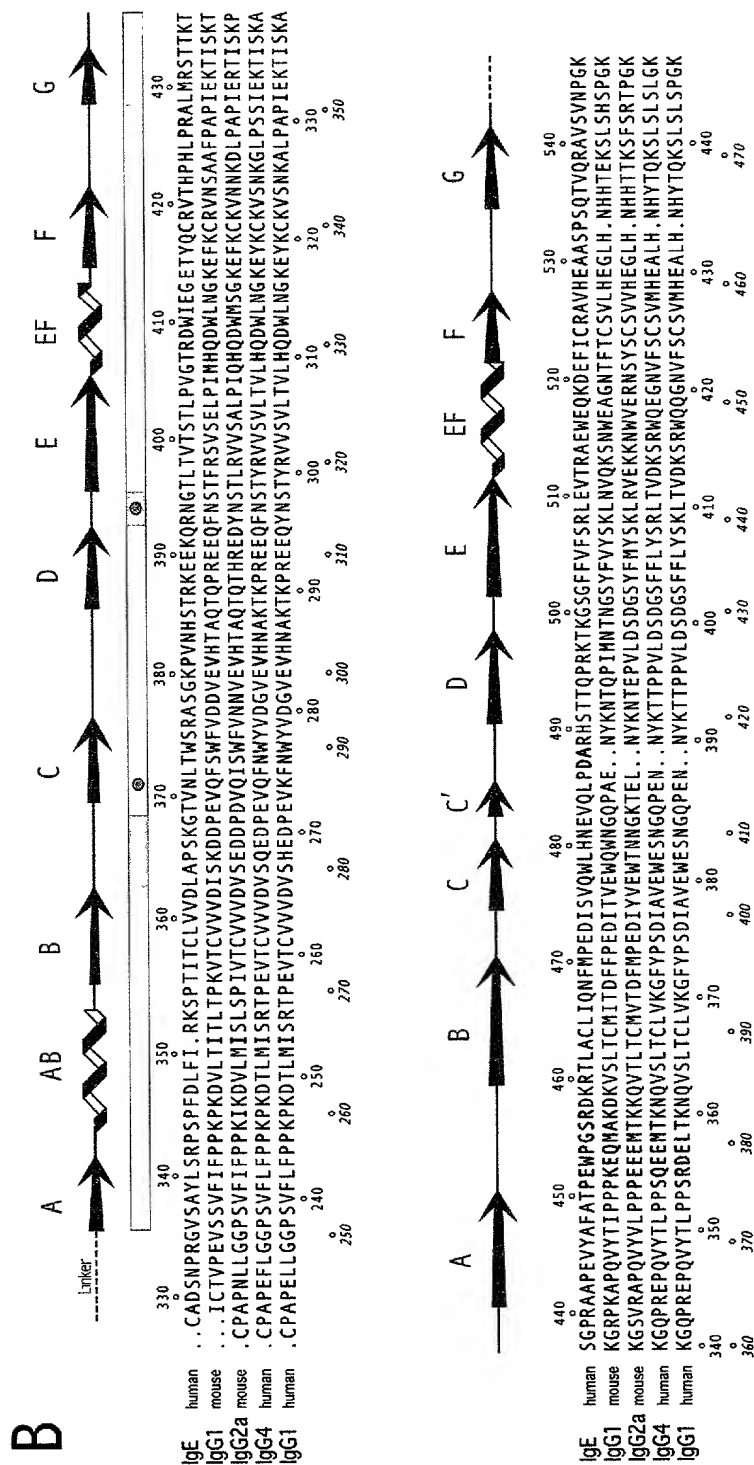
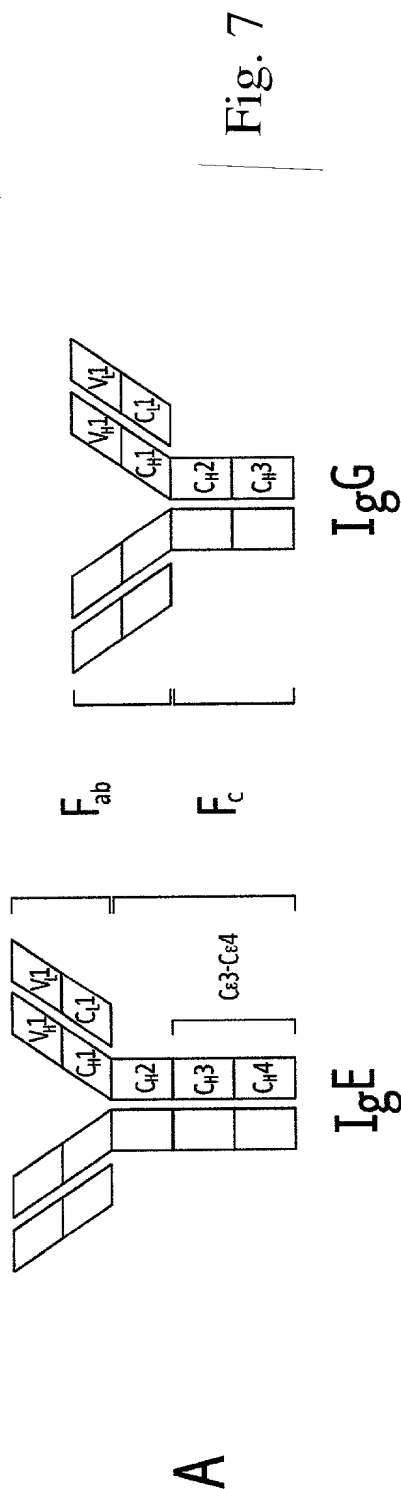


Fig. 6



human IgE . . . C A D S N P R G V S A Y L S R P S P D L F I . . . R K S P T I T C L V D L A P S K G T V N L T W S R A S G K P V N H S T R K E E K Q R N G T L T V T S T L P V G T R D M I E G E T Y Q C R V T H P L P R A L M R S T T K T
mouse IgG1 . . . I C T V P E V S S V F I F P P K P Q D V L T I T L T P K V T C V V D I S K D D P E V Q F S W F V D D V E V H T A Q T Q P R E E Q N S T F R S V S E L P I H Q D M L N G K F E K C R V N S A A F P A P I E K T I S K P
mouse IgG2a . . . C P A N L L G G P S V F I F P P K I K D V L M I S L P I V T C V V D V S E D D P D V I S F W F N N V E V H T A Q T Q T H R E D Y N S T L R V S A L P I Q H Q D M S G K F E K C K V N K D L P A P I E R T I S K P
human IgG4 . . . C P A P E F L G G P S V F L F P P K P K D T L M I S R T P E V T C V V D V S Q E D P E V Q F N W Y V D G V E V H N A K T P R E E Q N S T Y R V S V L T V L H Q D W L N G K E Y C K V S N K G L P S S I E K T I S K A
human IgG1 . . . C P A P E L L G G P S V F L F P P K P K D T L M I S R T P E V T C V V D V S H E D P E V K F N W Y D G V E V H N A K T P R E E Q N S T Y R V S V L T V L H Q D W L N G K E Y C K V S N K A L P A P I E K T I S K A

human IgE . . . S G P R A A P E V Y A F A T P E W P G S R D K R T L A C L I Q N F P E D I S V O M L H N E V O L P D A R H S T T Q P R K T K G S G F F V F S R L E V T R A E W E Q K D E F I C R A V H E A A S P S Q T V Q R A V S V N P G K
mouse IgG1 . . . K G R P K A P Q V Y T I P P P K E Q M A K D K V S L T C M I T D F P E D I T V E W Q M G Q P A E . . . N Y K N T Q P I H N T N G S Y F V Y S K L W Q K S N W E A G N T F T C S V L H E G L H . N H H T E K S L S H S P G K
mouse IgG2a . . . K G S V R A P Q V Y L P P P E E E N T K K Q V T L T C M V T D F P E D I T V E W T N N G K T E L . . . N Y K N T P V L D S D G S Y F M Y S K L R V E K K N W E R N S V S C S V H E G L H . N H H T T K S F S R T P G K
human IgG4 . . . K G Q P R E P Q V Y T L P P S Q E E N T K N Q V S L T C L Y K G F Y P S D I A V E S N G Q P E N . . . N Y K T P P V L D S D G S F F L Y S R L T V D K S R W Q G N V F S C S V N H E A L H . N H Y T Q K S L S L S L G K
human IgG1 . . . K G Q P R E P Q V Y T L P P S R D E L T K N Q V S L T C L Y K G F Y P S D I A V E S N G Q P E N . . . N Y K T P P V L D S D G S F F L Y S K L T V D K S R W Q G N V F S C S V N H E A L H . N H Y T Q K S L S L S P G K

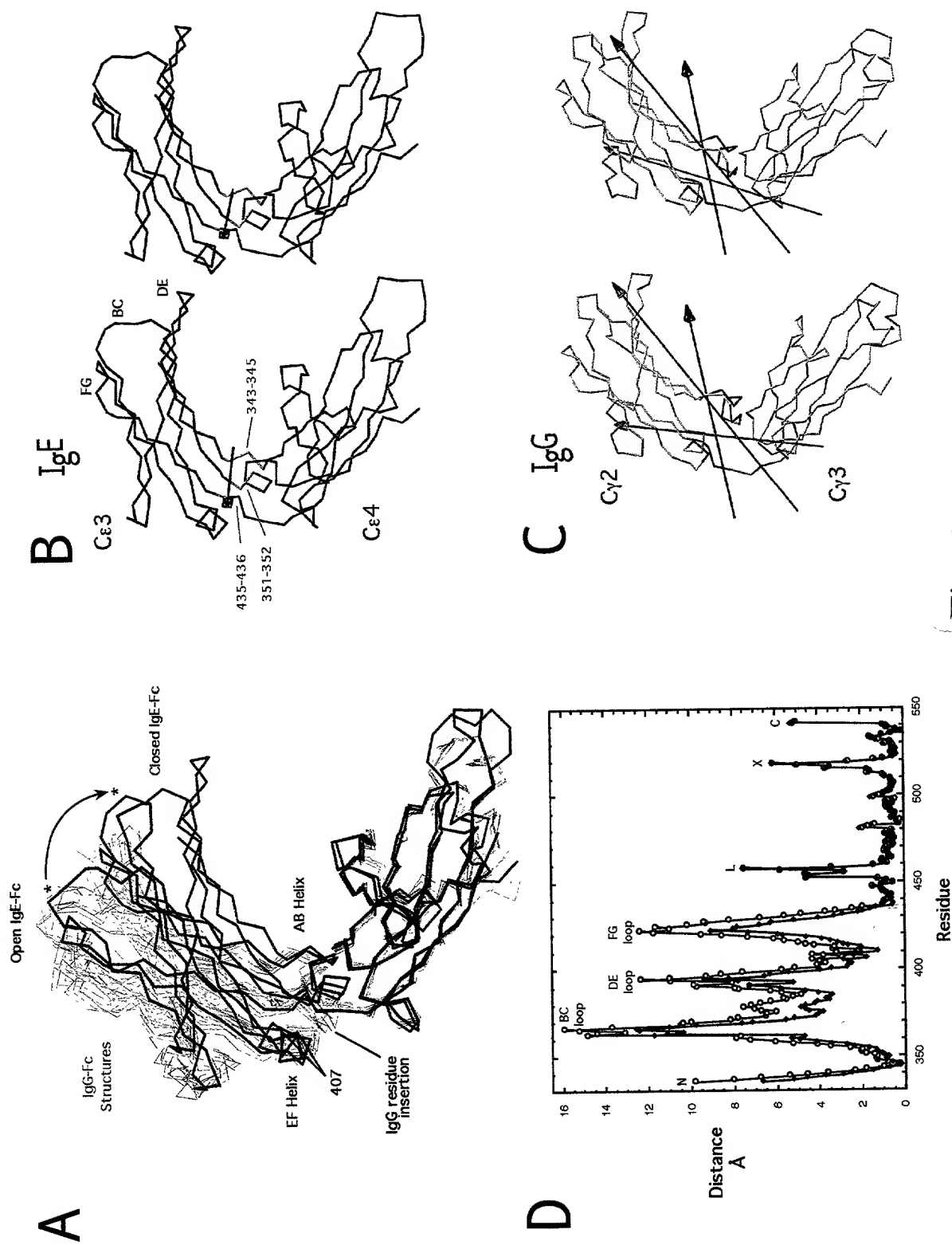


Fig. 9

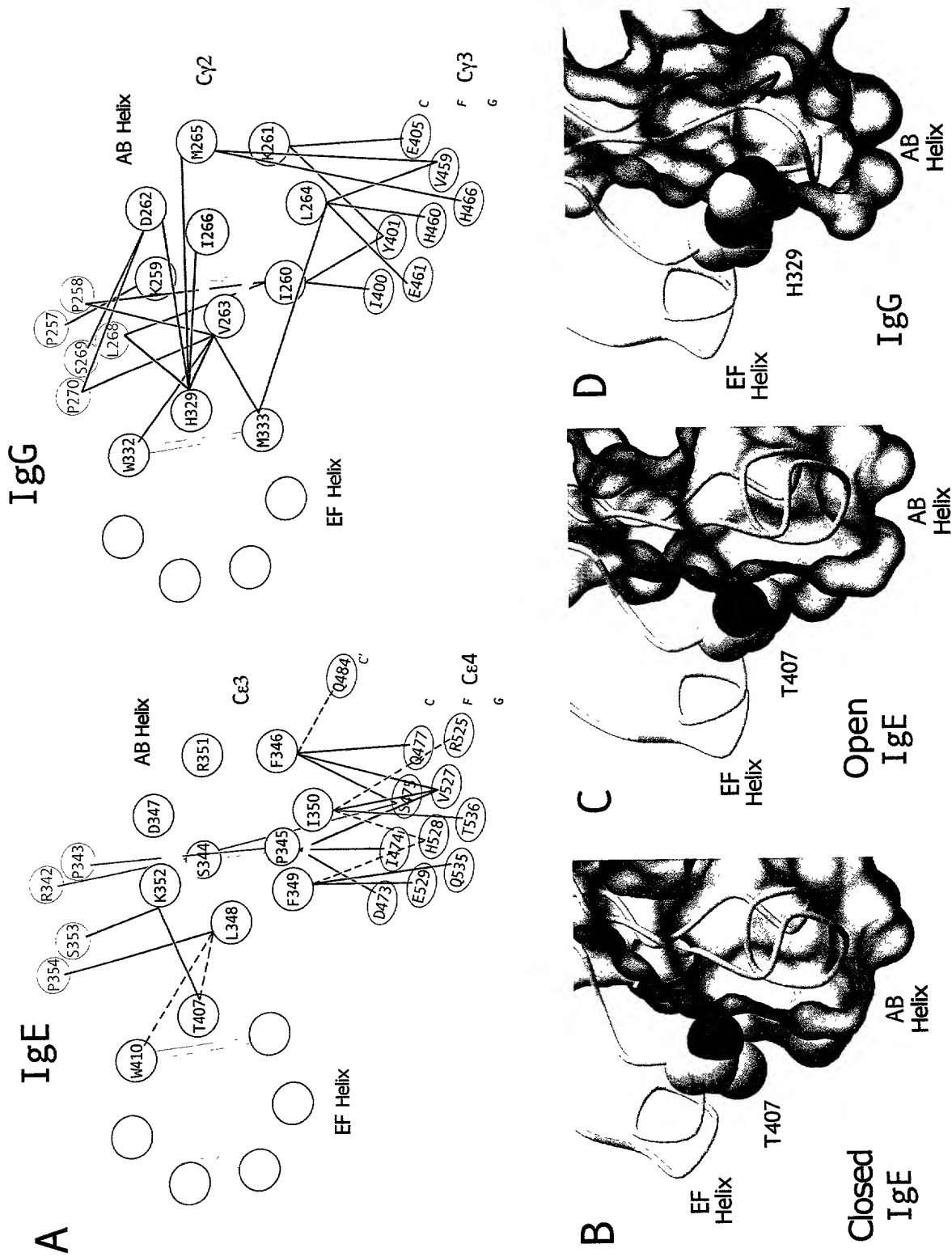


Fig. 10

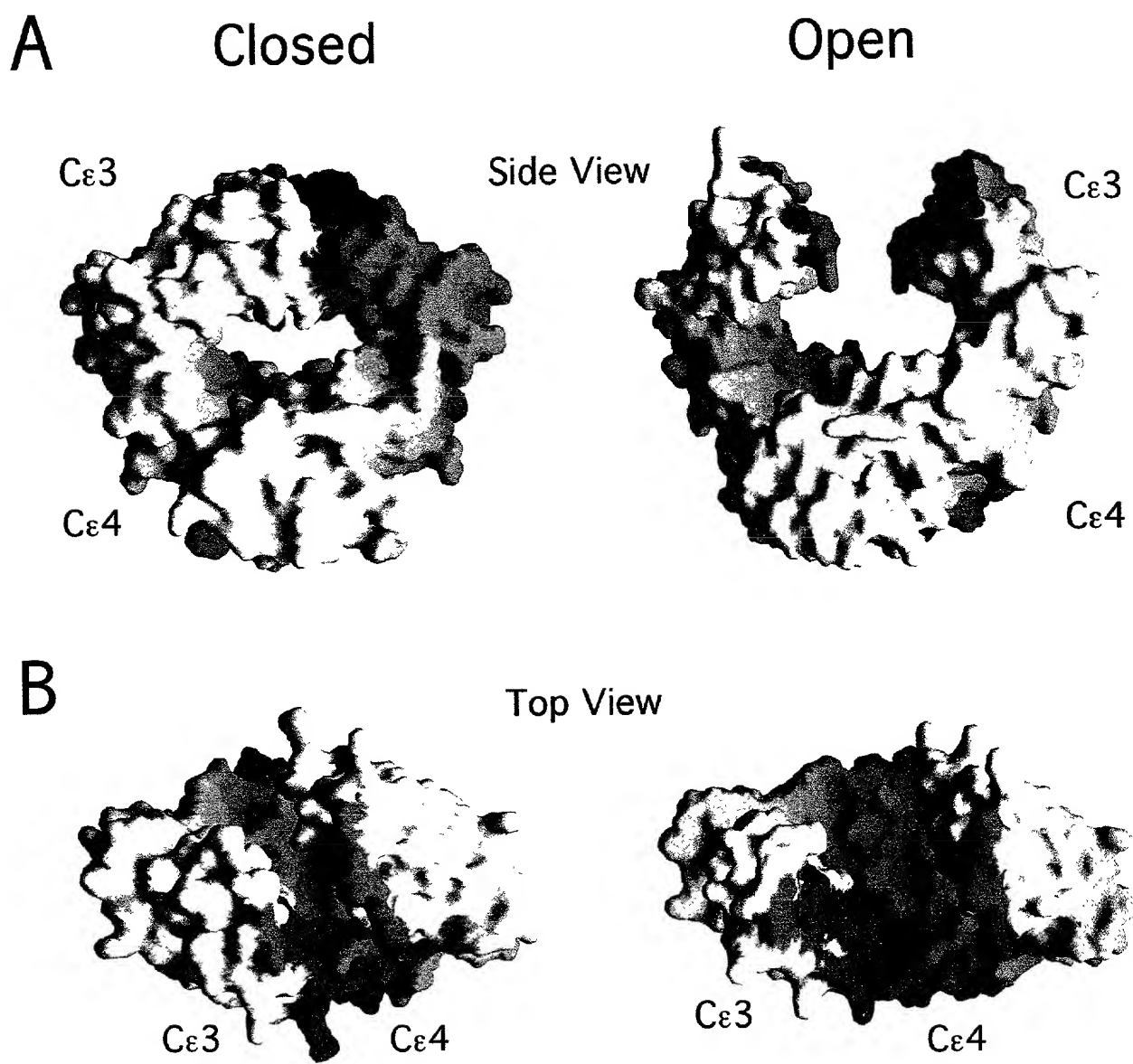


Fig. 11

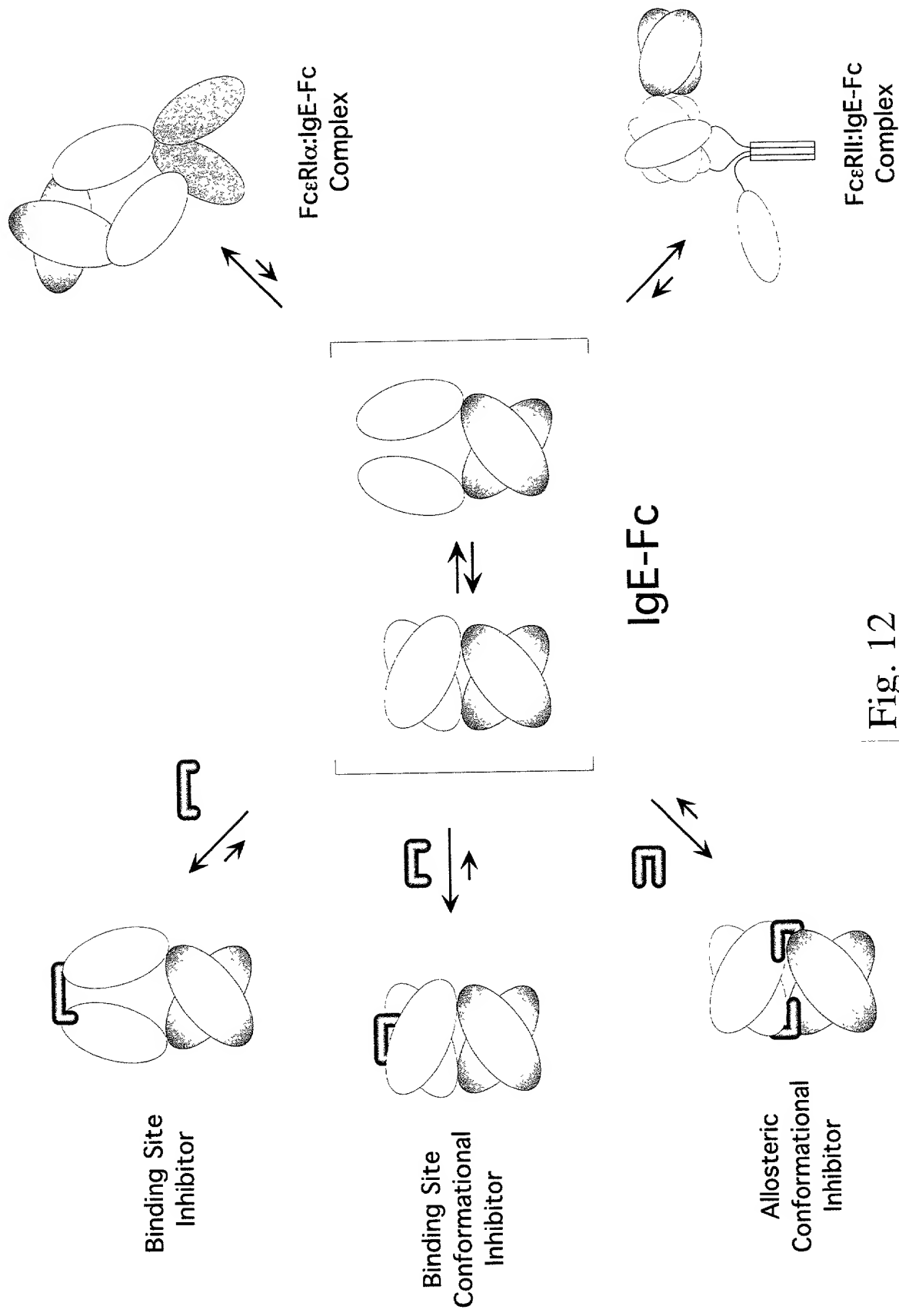
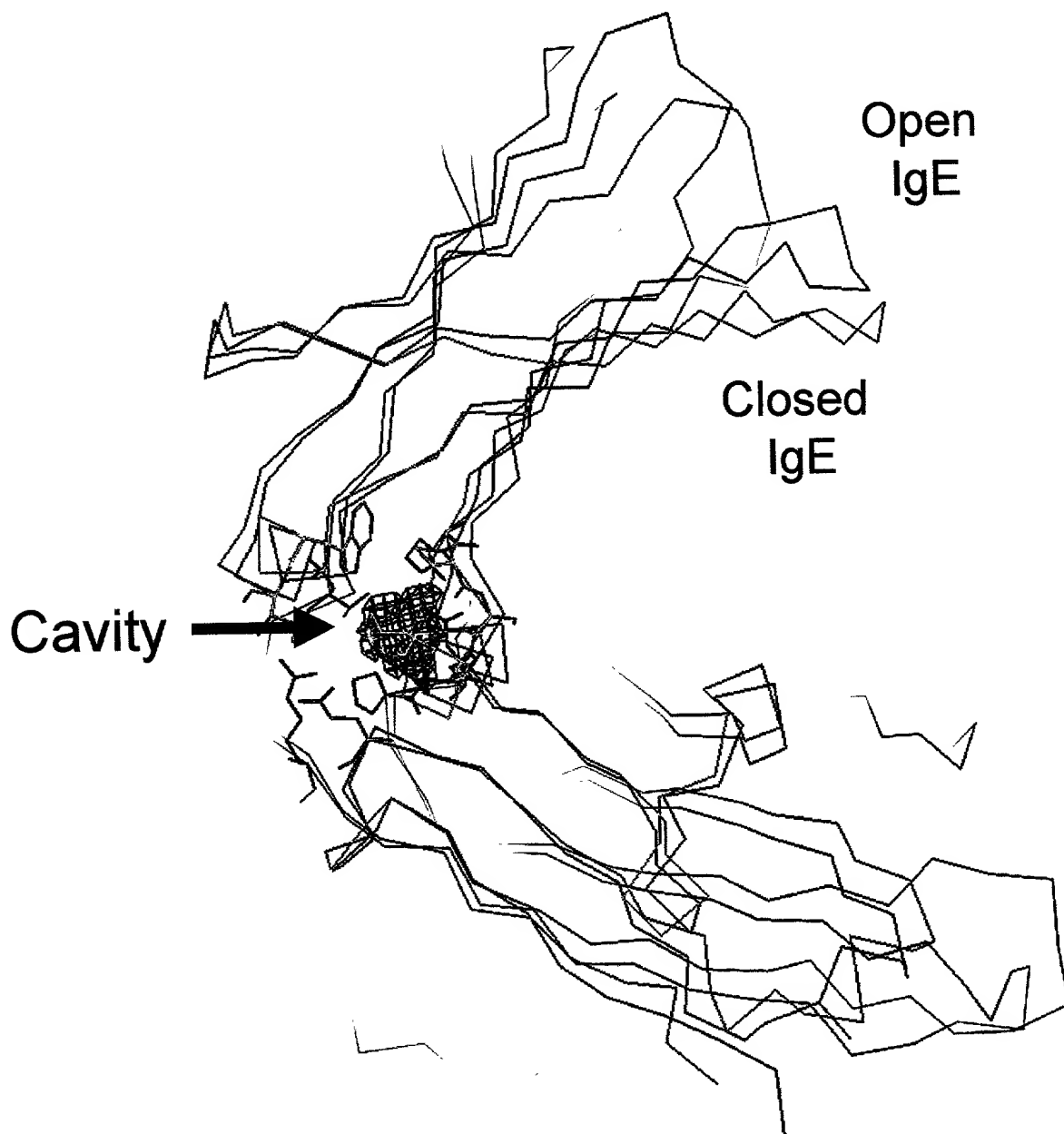


Fig. 12

A Potential Drug Binding Site Near the IgE-Fc Hinge



Surrounding residues include:
R342, P343, S344, P345, L348, W410, I411,
K435, T436, R440, P471, E472, D473, E529

Fig. 13